Bits -1 2 3 4 | 5 6 7 8 | 9 10 11 12 13 14 15 16 | 17 18 19 | 20 21 22 23 24 25 26 27 28 29 30 31 32 Header Total Packet Length Type of Service Length Version Fragment Offset Flags Sequence Number Header Checksum Protocol Time to Live Switching, Path and Channel Identifiers Packet Type, QoS, Security and Network Management Identifiers and Values Options (if any) Data (if any)

Figure 1. Representative Description of the IPv4 Header for VIPS

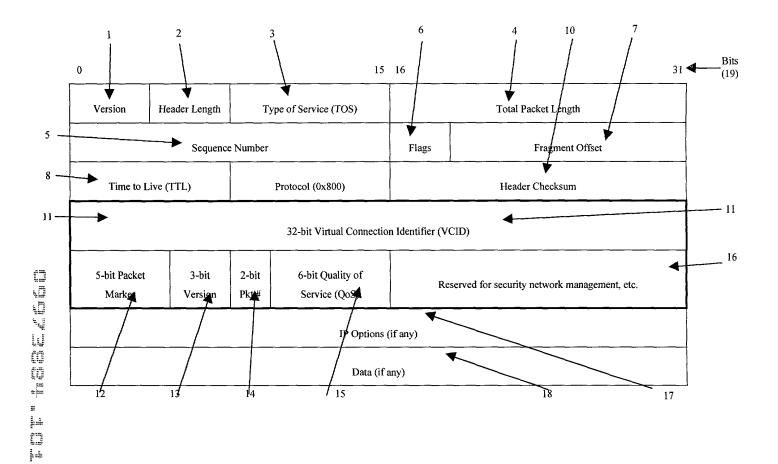


Figure 2. Representative Configuration of a VIPS Packet

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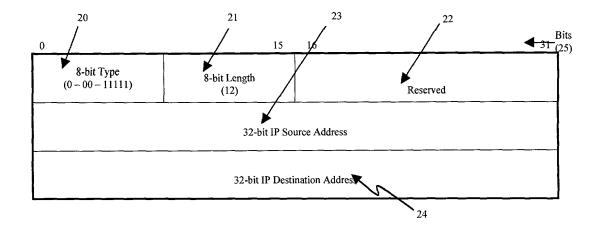


Figure 3. Representative First or Lead Packet IP Option

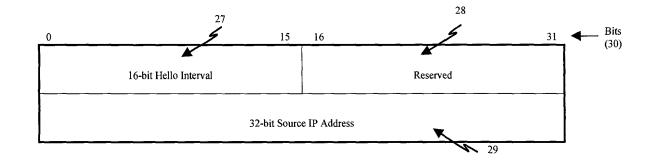


Figure 4. Representative Hello Packet Payload

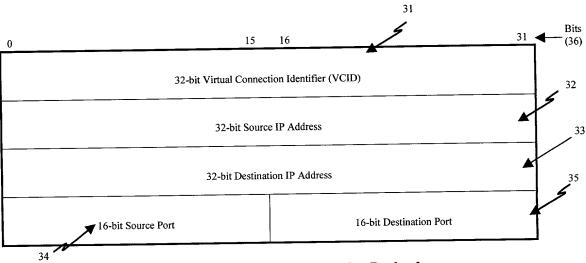


Figure 5. Representative CACK Packet Payload

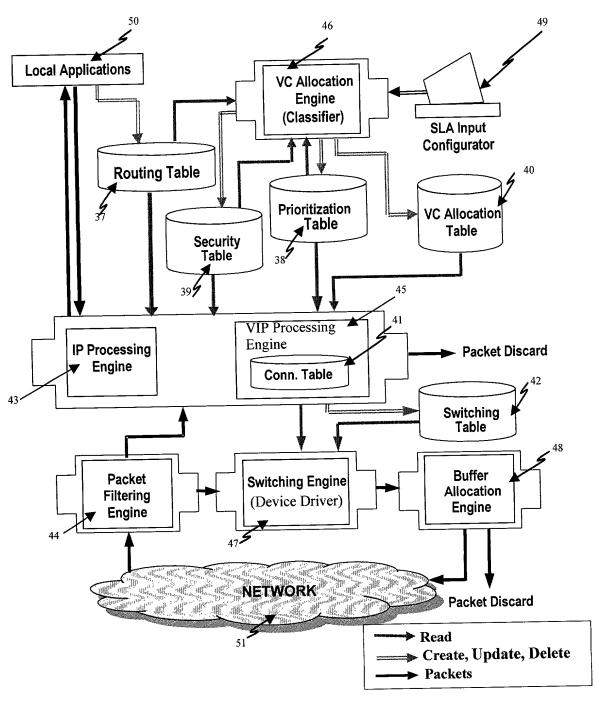


Figure 6. Representative Functional Details

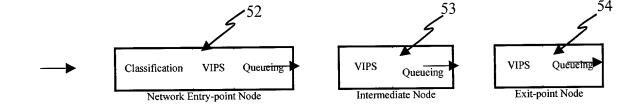


Figure 7. Representative Packet Queuing Concepts

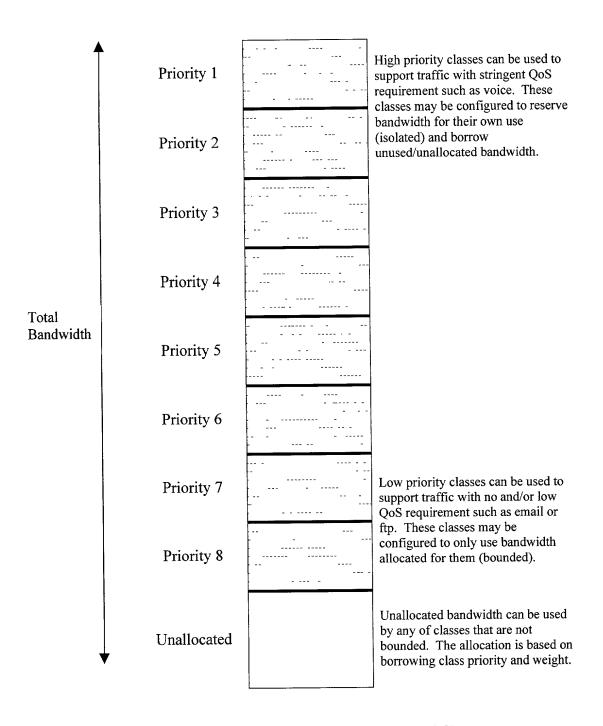


Figure 8. Representative Distribution of Classes